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Abbreviations: ACh, acetylcholine; 3-AP, 3-acetylpyridine; CAP, capsaicin; CCK, cholecystokinin; DA, dopamine; DAB, diaminobenzidine; 2DG, 2-deoxy-D-[^{14}C]glucose; 5,6-DHT, 5,6-dihydroxytryptamine; DOPA (dopa), 3,4-dihydroxyphenylalanine; DRG, dorsal root ganglia; EOS, ethanolamine-*O*-sulphate; ENK, enkephalin; Fab, F-actin binding; GABA, γ-aminobutyric acid; GAD, glutamic acid decarboxylase; GMP, guanosine cyclic 3',5'-monophosphate; HRP, horseradish peroxide; 5-HT, 5-hydroxytryptamine; 5-HTP, 5-hydroxytryptophan; ION, inferior olivary nucleus; KA, kainic acid; LH, luteinizing hormone; NA, noradrenaline; NGF, nerve growth factor; 6-OHDA, 6-hydroxydopamine; PCPA, *p*-chlorophenylalanine; PNMT, phenylethanolamine *N*-methyltransferase; RPal, pacemaker giant neuron of *Helix pomatia* L.; SN, substantia nigra; SP, substance P; TH, tyrosine hydroxylase; VIP, vasoactive intestinal polypeptide; VTA, ventral tegmental area.

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